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PTO/SB/05 (11-00)
Approved for use through 10/31/2002. OMB 0651-0032
Patent and Trademark Office U.S. DEPARTMENT OF COMMERCE

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UTILITY PATENT APPLICATION TRANSMITTAL

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Attorney Docket No. NST0005
First Inventor TIMOTHY J. JOHNSON
Title SURFACE CHARGE MODIFICATION WITHIN PREFC
Express Mail Label No. EL73128430IUS

APPLICATION ELEMENTS

See MPEP chapter 600 concerning utility patent application contents

ADDRESS TO:

Assistant Commissioner for Patent
Box Patent Application
Washington, D.C. 20231

1. ☒ Fee Transmittal Form (e.g., PTO/SB/17)
(Submit an original, and a duplicate for fee processing)2. ☐ Applicant claims small entity status.
See 37 CFR 1.27.

3. ☒ Specification [Total Pages 17]
(preferred arrangement set forth below)
- Descriptive title of the invention
- Cross Reference to Related Applications
- Statement Regarding Fed sponsored R & D
- Reference to sequence listing, a table,
or a computer program listing appendix
- Background of the Invention
- Brief Summary of the Invention
- Brief Description of the Drawings (if filed)
- Detailed Description
- Claim(s)
- Abstract of the Disclosure

4. ☒ Drawing(s) (35 U.S.C. 113) [Total Sheets 6]

5. Oath or Declaration [Total Pages 2]

- a. ☒ Newly executed (original or copy)
b. ☐ Copy from a prior application (37 CFR 1.63(d))
(for continuation/divisional with Box 18 completed)
i. ☐ DELETION OF INVENTOR(S)
Signed statement attached deleting inventor(s)
named in the prior application, see 37 CFR
1.63(d)(2) and 1.33(b).

6. ☒ Application Data Sheet. See 37 CFR 1.767. ☐ CD-ROM or CD-R in duplicate, large table or
Computer Program (Appendix)8. Nucleotide and/or Amino Acid Sequence Submission
(if applicable, all necessary)

- a. ☐ Computer Readable Form (CRF)
b. Specification Sequence Listing on:
i. ☐ CD-ROM or CD-R (2 copies); or
ii. ☐ paper
c. ☐ Statements verifying identity of above copies

ACCOMPANYING APPLICATION PARTS

9. ☐ Assignment Papers (cover sheet & document(s))
10. ☐ 37 CFR 3.73(b) Statement ☐ Power of Attorney
(when there is an assignee)
11. ☐ English Translation Document (if applicable)
12. ☐ Information Disclosure ☐ Copies of IDS
Statement (IDS)/PTO-1449 Citations
13. ☐ Preliminary Amendment
14. ☒ Return Receipt Postcard (MPEP 503)
(Should be specifically itemized)
15. ☐ Certified Copy of Priority Document(s)
(if foreign priority is claimed)
16. ☐ Request and Certification under 35 U.S.C. 122
(b)(2)(B)(i). Applicant must attach form PTO/SB/35
or its equivalent.
17. ☒ Other: Request for Early Publication and Pub Fee

18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment,
or in an Application Data Sheet under 37 CFR 1.76:
☐ Continuation ☐ Divisional ☐ Continuation-in-part (CIP) of prior application No.: _____ / _____

Prior application information: Examiner _____

Group / Art Unit _____

For CONTINUATION OR DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied
under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by
reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

19. CORRESPONDENCE ADDRESS

☒ Customer Number or Bar Code Label

00832

or ☐ Correspondence address below

(Insert Customer No. or Attach bar code label here)

| | | | | | |
|---------|----------------------------------|-----------|--------------|----------|--------------|
| Name | Baker & Daniels | | | | |
| Address | 111 East Wayne Street, Suite 800 | | | | |
| City | Fort Wayne | State | IN | Zip Code | 46802 |
| Country | USA | Telephone | 219-424-8000 | Fax | 219-460-1700 |

Name (Print/Type) Michael S. Gzybowski

Registration No. (Attorney/Agent) 32,816

Signature

Michael S. Gzybowski

Date

July 13, 2001

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any
comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office,
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Patent Application, Washington, DC 20231.

FEE TRANSMITTAL for FY 2001

Patent fees are subject to annual revision

Complete if Known

TOTAL AMOUNT OF PAYMENT

\$1,082.00

Application Number

Filing Date

First Named Inventor

TIMOTHY J. JOHNSON ET AL.

Examiner Name

Group Art Unit

Attorney Docket No.

NST0005

METHOD OF PAYMENT

1. ☒ The Commissioner is hereby authorized to charge indicated fees and credit any overpayments to:

Deposit
Account
Number

02-0385

Deposit
Account
Name

BAKER & DANIELS

- ☒ Charge Any Additional Fee Required
Under 37 CFR §§ 1.16 and 1.17

- ☐ Applicant claims small entity status
See 37 CFR § 1.27

2. ☒ Payment Enclosed:

- ☒ Check ☐ Credit card ☐ Money
Order ☐ Other

FEE CALCULATION

1. BASIC FILING FEE

Large Entity Small Entity

Fee Fee Fee Fee Fee Description

Code (\$) Code (\$) Code (\$) Code (\$) Code (\$)

Fee Paid

101 710 201 355 Utility filing fee

710.00

106 320 206 160 Design filing fee

107 490 207 245 Plant filing fee

108 710 208 355 Reissue filing fee

114 150 214 75 Provisional filing fee

SUBTOTAL (1)

\$710.00

2. EXTRA CLAIM FEES

| Total Claims | | Extra Claims | Fee from below | Fee Paid |
|--------------------|---------|--------------|----------------|----------|
| 24 | -20** = | 4 | X 18.00 = | 72.00 |
| Independent Claims | 3 | -3** = | 0 | X = 0.00 |
| Multiple Dependent | | | | |

Large Entity Small Entity

Fee Fee Fee Fee Fee Description

Code (\$) Code (\$) Code (\$) Code (\$) Code (\$)

103 18 203 9 Claims in excess of 20

102 80 202 40 Independent claims in excess of 3

104 270 204 135 Multiple dependent claim, if not paid

109 80 209 40 ** Reissue independent claims over original patent

110 18 210 9 ** Reissue claims in excess of 20 and over original patent

SUBTOTAL (2)

\$72.00

**or number previously paid, if greater; For Reissues, see above

FEE CALCULATION (continued)

3. ADDITIONAL FEES

Large Entity Small Entity

Fee Fee Fee Fee Fee Description

Code (\$) Code (\$) Code (\$) Code (\$) Code (\$)

105 130 205 65 Surcharge - late filing fee or oath

127 50 227 25 Surcharge - late provisional filing fee or cover sheet

139 130 139 130 Non - English specification

147 2,520 147 2,520 For filing a request for *ex parte* reexamination

112 920* 112 920* Requesting publication of SIR prior to Examiner action

113 1,840* 113 1,840* Requesting publication of SIR after Examiner action

115 110 215 55 Extension for reply within first month

116 390 216 195 Extension for reply within second month

117 890 217 445 Extension for reply within third month

118 1,390 218 695 Extension for reply within fourth month

128 1,890 228 945 Extension for reply within fifth month

119 310 219 155 Notice of Appeal

120 310 220 155 Filing a brief in support of an appeal

121 270 221 135 Request for oral hearing

138 1,510 138 1,510 Petition to institute a public use proceeding

140 110 240 55 Petition to revive - unavoidable

141 1,240 241 620 Petition to revive - unintentional

142 1,240 242 620 Utility issue fee (or reissue)

143 440 243 220 Design issue fee

144 600 244 300 Plant issue fee

122 130 122 130 Petitions to the Commissioner

123 50 123 50 Processing fee under 37 CFR § 1.17(q)

126 180 126 180 Submission of Information Disclosure Statement

581 40 581 40 Recording each patent assignment per property (times number of properties)

146 710 246 355 Filing a submission after final rejection (37 CFR § 1.129(a))

149 710 249 355 For each additional invention to be examined (37 CFR § 1.129(b))

179 710 279 355 Request for Continued Examination (RCE)

169 900 169 900 Request for expedited examination of a design application

Other fee (specify) Early Publication Fee

300.00

SUBTOTAL (3)

\$300.00

*Reduced by Basic Filing Fee Paid

SUBMITTED BY

Name (Print/Type)

Michael S. Gzybowski

Registration No
(Attorney/Agent)

32,816

Complete (if applicable)

Telephone

219-424-8000

Signature

Michael S. Gzybowski

Date

June 13, 2001

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on

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CERTIFICATE OF MAILING BY "EXPRESS MAIL" (37 CFR 1.10)Applicant(s): **Timothy J. Johnson**

Docket No.

NST0005

Serial No.

Filing Date

Examiner

Group Art Unit

Invention: **SURFACE CHARGE MODIFICATION WITHIN PREFORMED POLYMER MICROCHANNELS WITH MULTIPLE APPLICATIONS INCLUDING MODULATING ELECTROOSMOTIC FLOW AND CREATING MICROARRAYS**

I hereby certify that the following correspondence:

UTILITY PATENT APPLICATION*(Identify type of correspondence)*

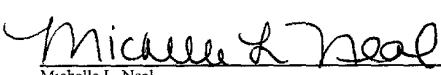
is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under

37 CFR 1.10 in an envelope addressed to: The Assistant Commissioner for Patents, Washington, D.C. 20231 on

JULY 13, 2001*(Date)***MICHELLE L. NEAL***(Typed or Printed Name of Person Mailing Correspondence)**(Signature of Person Mailing Correspondence)***EL731284301US***("Express Mail" Mailing Label Number)***Note: Each paper must have its own certificate of mailing.**

PATENT APPLICATION

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

| | | | |
|--------------------|-----------------------------|---|--|
| <i>Group</i> | | } | <u>Certificate Under 37 C.F.R. 1.10</u> |
| <i>Art Unit:</i> | Unknown | } | "EXPRESS MAIL" MAILING LABEL NUMBER |
| | | } | EL731284301US |
| <i>Attorney</i> | | } | DATE OF DEPOSIT <u>July 13, 2001</u> |
| <i>Docket No.:</i> | NST0005 | } | I HEREBY CERTIFY THAT THIS PAPER OR FEE IS BEING |
| | | } | DEPOSITED WITH THE UNITED STATES POSTAL SER- |
| <i>Applicant:</i> | Timothy J. Johnson et al. | } | VIC "EXPRESS MAIL POST OFFICE TO ADDRESSEE" |
| | | } | SERVICE UNDER 37 C.F.R. 1.10 ON THE DATE |
| <i>Invention:</i> | SURFACE CHARGE MODIFICATION | } | INDICATED ABOVE AND IS ADDRESSED TO THE ASSIS- |
| | WITHIN PREFORMED POLYMER | } | TANT COMMISSIONER FOR PATENTS WASHINGTON, DC |
| | MICROCHANNELS WITH MULTIPLE | } | 20231 |
| | APPLICATIONS | } | on <u>July 13, 2001</u> |
| | INCLUDING MODULATING | } |  |
| | ELECTROOSMOTIC FLOW AND | } | Michelle L. Neal |
| | CREATING MICROARRAYS | } | |
| <i>Serial No:</i> | Unknown | } | |
| <i>Filed:</i> | Herewith | } | |
| <i>Examiner:</i> | Unknown | } | |

REQUEST FOR EARLY PUBLICATION

Box Patent Application
Assistant Commissioner for Patents
Washington, D.C. 20231

Sir:

Applicants wish to request Early Publication of the above-referenced patent application under 35 U.S.C. 122. The required fee in the sum of \$300.00 is being provided herewith in compliance with 37 C.F.R. 1.18(d).

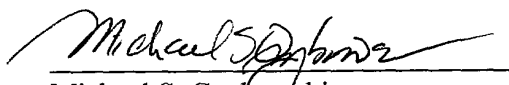
If any other fees are necessary in connection with this document, or insufficient fees are sent herewith, please charge Deposit Account No. 02-0385, Baker & Daniels.

Respectfully submitted,

07/18/2001 MGEDEM1 00000026 09905566

03 FC:195

300.00 OP


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